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Part Number:

0461144400

Status:

Active

Overview:

EXTreme LPHPower Connectors

Description:

1.27mm, 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, 4 Power Contacts, 40 Signal Contacts, Select Gold (Au) Plating, with BMI Guides

Documents:

3D Model

Drawing (PDF)

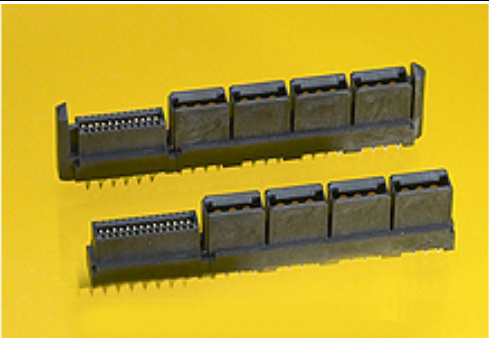
Product Specification PS-46114-001-001 (PDF)

Application Specification AS-46114-001-001 (PDF)

Packaging Specification PK-46114-003 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                |
|--------------------------------|--------------------------------|
| Agency Certification           |                                |
| CSA                            | LR19880                        |
| UL                             | E29179                         |
| Application tooling part link  |                                |
| Application Tooling Part Link  | 62100-6300                     |
| Application Tooling Part Link  | 62201-8671                     |
| General                        |                                |
| Product Family                 | PCB Receptacles                |
| Series                         | 46114                          |
| Application                    | Board-to-Board, Power          |
| Comments                       | Press Fit Pin, Press Fit Pin   |
| Overview                       | EXTreme LPHPower Connectors    |
| Product Name                   | EXTreme LPHPower               |
| UPC                            | 800756886657                   |
| Physical                       |                                |
| (p)ower-(s)ignal Configuration | 4p - 40s                       |
| Circuits (Loaded)              | 44                             |
| Circuits (maximum)             | 44                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 250                            |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Guide to Mating Part           | Yes                            |
| Keying to Mating Part          | None                           |
| Lock to Mating Part            | None                           |
| Material - Metal               | High Performance Alloy (HPA)   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 8.840/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| Packaging Type                 | Tube                           |
| Pitch - Mating Interface       | 1.27mm, 12.00mm                |
| Pitch - Termination Interface  | 1.27mm, 2.50mm                 |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 2.540µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | Yes                            |



Series image - Reference only

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - ED/71/2019 (16 July 2019)                 |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

46114 Series

Mates With

45985 EXTreme LPHPower Header

|                                                                                                                                                                                 |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Application Tooling   FAQ                                                                                                                                                       |           |
| Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document. |           |
| Global                                                                                                                                                                          |           |
| Description                                                                                                                                                                     | Product # |
| LPH Vertical Receptacle Power Terminal Removal Tool                                                                                                                             | 621006300 |
| Vertical Receptacle Press-In Tool                                                                                                                                               | 622018671 |

|                                    |                              |
|------------------------------------|------------------------------|
| Temperature Range - Operating      | -40° to +105°C               |
| Termination Interface: Style       | Through Hole - Compliant Pin |
| <b>Electrical</b>                  |                              |
| Current - Maximum per Contact      | 30.0A                        |
| Grounding to PCB                   | No                           |
| Voltage - Maximum                  | 250V AC (RMS)/DC             |
| <b>Solder Process Data</b>         |                              |
| Lead-freeProcess Capability        | N/A                          |
| <b>Material Info</b>               |                              |
| <b>Reference - Drawing Numbers</b> |                              |
| Application Specification          | AS-46114-001-001             |
| Packaging Specification            | PK-46114-003                 |
| Product Specification              | PS-46114-001-001             |
| Sales Drawing                      | SD-46114-400                 |
| Symbol/Footprint Data              | SYM-46114-4400               |

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